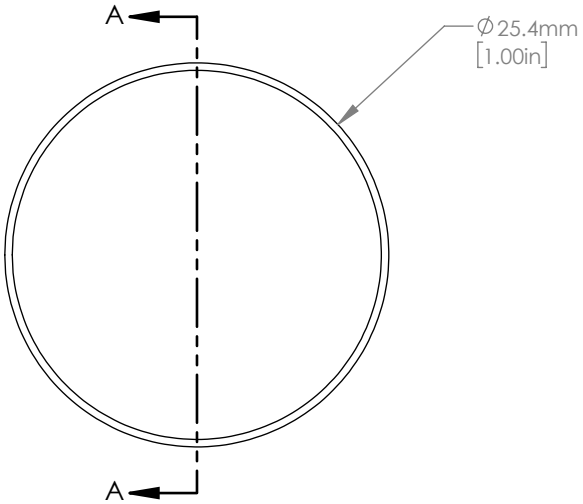
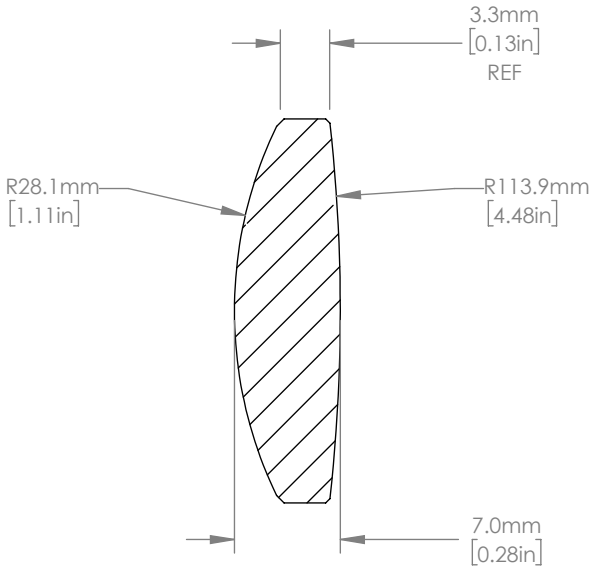



ISOMETRIC VIEW
SCALE: 2:1




SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: f=50.0 mm ± 1%
3. BACK FOCAL LENGTH(REF): bf=46.1 mm
4. CLEAR APERTURE: > ∅22.86 mm
5. SURFACE QUALITY: 10-5 SCRATCH-DIG
6. CENTRATION: ≤ 3 arcmin
7. DIAMETER TOLERANCE: +0.0/-0.1 mm
8. THICKNESS TOLERANCE: ±0.1 mm
9. SURFACE IRREGULARITY: ≤ λ/4, @633 nm
10. SPHERICAL SURFACE POWER: ≤ 3λ/2, @633 nm
11. DIFFRACTION LIMITED DIAMETER @633 nm: 6.3 mm
12. DIFFRACTION LIMITED DIAMETER @1064 nm: 6.4 mm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

| DRAWING PROJECTION | | |
|---|---|---|
| | NAME | DATE |
| DRAWN | YWZ | 27/SEP/24 |
| APPROVAL | JS | 27/SEP/24 |

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
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∅25.4 mm f=50 mm UVFS
BEST FORM LENS

| MATERIAL | REV |
|---|---|
| UV FUSED SILICA | A |

| ITEM # | APPROX WEIGHT |
|---|---|
| LBF41050 | 5.7 g |